

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME <b>SHERWIN INCORPORATED</b>		EMERGENCY TELEPHONE NO. <b>213/861-6324</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>5530 Borwick Ave., South Gate, CA. 90280</b>		
CAS No: none - a mixture		TRADE NAME AND SYNONYMS <b>DP50 Dye Penetrant</b>
CHEMICAL FAMILY <b>penetrating oil</b>	FORMULA	

## SECTION II - INGREDIENTS

Ingredient	Approx. %
Mixture aliphatic oils refined	20 - 40
Nonionic surfactant	20 - 40
Aliphatic hydrocarbon	40 - 60
Dyestuff	2 - 8

NOTE: Spray can package would include hydrocarbon propellant.  
Hydrocarbon propellant is extremely flammable.

Note special precautions for handling and storing spray can packages. Read the label.

SEE REVERSE SIDE FOR HEALTH HAZARD DATA

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	apprx	300	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	apprx	0.91
VAPOR PRESSURE (mm Hg.)	@ 77 F	1.0 mm	PERCENT VOLATILE BY VOLUME (%)	"	50%
VAPOR DENSITY (AIR=1)	apprx	3	EVAPORATION RATE (butyl acetate=1)		0.1
SOLUBILITY IN WATER		moderate			
APPEARANCE AND ODOR      red liquid with petroleum odor					

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	155 F COC	FLAMMABLE LIMITS	Lel	Uel
			1.0	6.0
EXTINGUISHING MEDIA	Carbon Dioxide    Foam    Dry Chemical			
SPECIAL FIRE FIGHTING PROCEDURES				
Do not use direct stream of water. It spreads the fire. Product may float and reignite on surface of water.				
UNUSUAL FIRE AND EXPLOSION HAZARDS				
On burning, this product can release toxic fumes and vapors. Firefighters should wear self-contained breathing apparatus and full protective clothing.				

## SECTION V ... HEALTH HAZARD DATA

Threshold Limit Value: not established. WARNING: elevated temperatures may cause release of harmful vapors if inhaled. Avoid creating and breathing mists.

Effects of Overexposure: Respiratory tract irritation. Central nervous system stimulation, followed by depression in varying degrees.

Eye Contact: Causes severe irritation with possible corneal burns.

Emergency and First Aid Procedures: Eyes: Water flush for 15 minutes - *Get medical attention promptly!*

Skin: Soap and water wash. Remove and wash contaminated clothing.

Ingestion: Do NOT induce vomiting. *Get medical attention!* If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing difficult, give oxygen. *Get medical attention!*

## SECTION VI ... REACTIVITY DATA

This material possesses no particular hazardous chemical reactivity properties. It is not a primary oxidant or reducing agent.

Conditions and Materials to Avoid: Open flames and materials and hazards normally incompatible with petroleum oils.

Hazardous Decomposition Products: Carbon monoxide and other unidentified organic compounds may be found upon combustion.

## SECTION VII ... SPILL OR LEAK PROCEDURES

Spill or Leakage Procedures: Extinguish all flames. Take up with an absorbent material and dispose of in compliance with all local, state and federal regulations.

## SECTION VIII ... SPECIAL PROTECTION INFORMATION

Respiratory Protection: If vapors or mists are generated, use a NIOSH-Approved respirator to prevent overexposure. Consult respirator manufacturer to determine appropriate type equipment for given application.

Ventilation: Provide sufficient ventilation to minimize exposure. Local exhaust ventilation preferred.

Protective Clothing: Wear chemical resistant gloves and other protective clothing as required to minimize skin contact. Eye protection is advisable when charging a tank or whenever there is a possibility of splashing; wear chemical safety glasses.

## SECTION IX ... SPECIAL PRECAUTIONS

Store away from high temperatures and open flames. Minimize skin contact. Store in cool, dry place. Emptied container retains vapor and product residues. Do not cut or weld on or near this container.

### N O T E

*While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Sherwin Incorporated makes no warranty with respect thereto and disclaims all liability from reliance thereon. Customers are encouraged to conduct their own tests. Before using any product read its label.*

SHERWIN INCORPORATED

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